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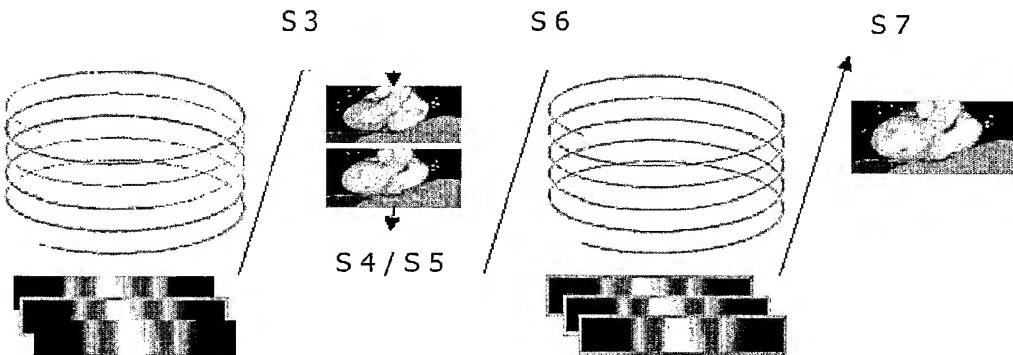
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(54) Title: GATED CONE-BEAM COMPUTED TOMOGRAPHY RECONSTRUCTION WITH MOTION COMPENSATION



(57) Abstract: E.g. in cardiac cone-beam CT, the source path is interrupted due to the fact that the projection data is gated. According to the present invention, a method is provided to obtain projection data corresponding to an uninterrupted source trajectory from such a gated data set. For this purpose, a motion compensation is applied. Advantageously, a complete data set may be determined allowing for an approximate or an exact reconstruction method to be applied to the completed data set without interruption of the image generation.

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